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GP/2631

PTO/SB/17 (12/99)

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FEE TRANSMITTAL

for FY 2002

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12
See 37 C.F.R. §§ 1.27 AND 1.28

TOTAL AMOUNT OF PAYMENT (\$)**729.00**

Complete if Known

Application Number	09/888,227
Filing Date	June 22, 2001
First Named Inventor	Anant Sahai, et al.
Examiner Name	Not Yet Assigned
Group/Art Unit	2631; Confirmation No. 7531
Attorney Docket No.	60021-0012

METHOD OF PAYMENT (check one)

1. ☒ Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Deposit Account Number **50-1302**

Deposit Account Name **Hickman Palermo Truong & Becker LLP**

2. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

3. ☐ Applicant(s) is entitled to small entity status.
See 37 CFR 1.27

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	0.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)**0.00**

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from Below	Fee Paid
87	67	9.00	603.00
7	3	42.00	126.00

Multiple Dependent

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**729.00**

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	690	249	345	For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)**0.00**

SUBMITTED BY

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Date **1/31/02**

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COPY OF PAPERS
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Attorney Docket No.: 60021-0012

5/A

RS

3-6-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Anant Sahai, et al

Confirmation No.: 7531

Application No.: 09/888,227

Group Art Unit: 2631

Filed: June 22, 2001

Examiner: Not Assigned

Title: SYNTHESIZING COHERENT CORRELATION SUMS AT ONE OR MULTIPLE
CARRIER FREQUENCIES USING CORRELATION SUMS CALCULATED AT A
COARSE SET OF FREQUENCIES

RECEIVED
FEB 28 2002
Technology Center 2600

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the claims as follows:

IN THE CLAIMS:

Please add new Claims 19-87 as follows:

- AI
- 1 19. (New) A method for summing I and Q correlation integrals at a target frequency, the
 - 2 method comprising the computer-implemented steps of:
 - 3 accessing a set of pairs of I and Q correlation values corresponding to a set of data
 - 4 blocks and a set of frequencies, wherein:
 - 5 the data blocks in the set of data blocks together make up a set of data that is
 - 6 associated with a received signal;
 - 7 each pair of I and Q correlation values from the set of pairs of I and Q
 - 8 correlation values corresponds to a calculated pair of I and Q
 - 9 correlation integrals that are calculated over one corresponding data

02/26/2002 JBALINAN 00000079 09888227

01 FC:202
02 FC:203

126.00 OP
603.00 OP